

SAVELOVA, V.A.; RUSSKIKH, V.V.

Experimental data on the toxicology of nitrocyclohexane. Farm.
i toks. 25 no.5:622-628 S-0 '62 (MIRA 18:1)

1. Moskovskiy nauchn-issledovatel'skiy institut gigiyeny
imeni F.F. Erismanina.

SAVELOVA, V.A.; KLIMKINA, N.V.

Experimental basis for the maximum permissible cyclohexane concentration in the water of reservoirs and rivers. San. okhr. vod. ot zagr. prom. stoch. vod. no.6:30-45 '64.

Experimental basis for the maximum permissible cyclohexanone oxime concentration in the water of reservoirs and rivers. (MIRA 18:3)
Ibid.:64-75

1. Moskovskiy nauchno-issledovatel'skiy institut gigiyeny imeni F.F.Erismana.

SAVELOVA, V.A.; BRUK, Ye.S.; KLIMKINA, N.V.

Experimental basis for the maximum permissible cyclohexane concentration in the water of reservoirs and rivers. San. okhr. vod. ot zagr. prom. stoich. vod. no.6346-63 '64.

(MIRA 18:3)

1. Moskovskiy nauchno-issledovatel'skiy institut gigiyeny imeni F.F.Erismana.

SAVELOVA, V.A.; BRUK, Ye.S.; KLIMKINA, N.V.; PINUS, A.A.

Experimental basis for the maximum permissible sodium adipic acid
in the water of reservoirs and rivers. San. okhr. vod. ot zagr.
prom. stoch. vod. no.6:118-133 '64. (MIRA 18:3)

1. Moskovskiy nauchno-issledovatel'skiy institut gigiyery imeni
F.F.Erismana.

LITVINENKO, L.M.; DADALI, V.A.; SAVELOVA, V.A.; KRICHEVTSOVA, T.I.

New method of synthesizing arylsulfonyl bromides and iodides.
Zhur. ob. khim. 34 no.11:3730-3733 N '64 (MIRA 18:1)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M. Gor'kogo.

SAVELOVA, Ye. M., Cand of Med Sci -- (diss) "On the Contents of Streptococcal Antihiluranidases in Children Afflicted With Rheumatism,"
Leningrad, 1959, 11 pp (Leningrad Pediatric Medical Institute)
(KL, 1-60, 126)

ZAYTSEVA, G.I., dotsent; SAVELOVA, Ye.M., kand.med.nauk

Wissler's allergic subsepsis. *Pediatriia* 41 no.5:28-33 My '62.
(MIRA 15:5)

1. Iz 2-y kafedry pediatrii (zav. - dotsent G.I. Zaytseva)
Leningradskogo instituta usovershenstvovaniya vrachey imeni
S.M. Kirova (i. o. rektora - dotsent A.V. Markov) i Dotskoy
bol'nitsy imeni N.K. Krupskoy (glavnyy vrach - zasluzhennyy vrach
RSFSR A.I. Chezhina).

(ALLERGY)

(SEPTICEMIA)

SAVELOVA, Yevgeniya Vasil'yevna; BARKOVSKIY, I.V., redaktor; RAKOVITSKIY,
I.G., tekhnicheskiiy redaktor.

[Problems in the history of physics and engineering in the
physics course of secondary schools] Voprosy istorii fiziki i
tekhniki v kurse fiziki srednei shkoly. Leningrad, Gos.uchebno-
pedagog. izd-vo M-va prosv. RSFSR, Lening. otd-nie, 1956. 190 p.
(MLRA 10:6)

(Physics--History)

GRIGAL, K.G.; SAVILOVA, Ye.V., redl; BOL'SHAKOV, V.A., tekhn.red.

[Conducting extracurricular work in physics] Iz opyta provedeniia
vneklassnoi raboty po fizike. Leningrad, Gos.uchebno-pedagog.
izd-vo M-va prosv. RSFSR, Leningr. otd-nie, 1957. 91 p. (MIRA 11:2)
(Physics--Study and teaching)

CHENOBYTOV, Anatoliy Mikhaylovich; SAVELOVA, Ye.V., red.; LEONF'YEVA, L.A.,
tekh.n.red.

[Curvilinear and rotary motion in secondary school physics courses]
Krivolineinoe i vrashchatel'noe dvizhenie v kurse fiziki srednei
shkoly. Leningrad, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR,
1957. 133 p. (MIRA 11:5)
(Motion)

SAVEL'SKAYA, G., inzh.

Simplifying the keeping of performance records for mechanical
ventilation units. Muk.-elev.prom. 25 no.9:9 8 '59.
(MIRA 12:12)

1. Irkutskoye upravleniye khleboproduktov.
(Ventilation) (Grain--Storage)

USSR/Medicine, Biology - Chromatography, Antibiotics

FD-2333

Card 1/1 Pub 148 - 34/36

Author : Savel'vol'f, G. B.; Bochagova D.

Title : ~~XXXXXXXXXX~~
: Book Reviews

Periodical : Zhur. mikro. epid. i immun. No 2, 106-110, Feb 1955

Abstract : Review of V. V. Rachinskiy, T. B. Gapon, Khromatografiya v Biologii [Chromatography in Biology], Academy of Sciences USSR, Moscow, 1953, 194 pp, by G. B. Savel'vol'f, and one of I. G. Shiller, Napravlenyy Antagonism Mikrobov [The Directed Antagonism of Microbes], Kiev, 1952, 134 pp, by D. Bochagova.

SAVEL'VOL'F, G.B.

A study of Antimetabolites. Dilworth Wayne Wooley. Reviewed by
G. B. Savel'vol'f. Zhur.mikrobiol.epid. i immun. no.8:114-115
Ag '55. (MLRA 8:11)
(WOOLEY, DILWORTH WAY NE, 1914) (ANTIMETABOLITES)

SAVEL'VOL'F G.B.

GHISTOVICH, G.N.; BOCHAGOVA, D.I.; SAVEL'VOL'F, G.B.

Production and some properties of the pertussis endotoxin.
Zhur.mikrobiol.epid. i immun. no.9:40-46 S '55 (MLRA 8:11)

1. Iz otdela mikrobiologii (zav.--prof. V.I.Ioffe) Instituta
eksperimental'noy meditsiny AMN SSSR.
(HEMOPHILUS PERTUSSIS, immunology,
endotoxin, prep.)

USSR/Medicine - Pertussis

FD-3322

Card 1/1 Pub. 148-18/24

Author : Chistovich, G. N.; Bochagova, D. I.; and Savel'vol'f, G. B.

Title : Data on the characteristics of the immunogenic properties of pertussis endotoxin

Periodical : Zhur. mikro. epid. i immun. 10, 78-82, Oct 1955

Abstract : On the basis of experiments on white mice and rats it was determined that unpurified pertussis endotoxin possesses immunogenic properties both in its natural state and after deactivation with 0.4 percent formalin. Combined immunization of rats with "boiled" [inactivated by boiling] vaccine and unpurified endotoxin affords the animals stable immunity against parenterally administered live pertussis cultures or endotoxin, even when the dose is several times the normal LD50. Neither the boiled vaccine nor the endotoxin, anapreparation, has this effect when used alone. Combined immunization of mice protected them against air-borne infection with H. pertussis. The results of the experiments are presented on two charts. Four Soviet references are cited.

Institution : Division of Microbiology (Head-Prof V. I. Ioffe), Institute of Experimental Medicine, Academy of Medical Sciences USSR

Submitted : May 7, 1955

Savel'vol'f, G. B.

Some characteristics of respiration, protein synthesis and phosphorus fixation in hemolytic streptococcal strains regenerated from broth culture filtrates. G. B. Savel'vol'f, A. P. Kozlov, and E. A. Shtern (Inst. BPTU. Med. Acad. Med. Sci. U.S.S.R. Leningrad). *Mikrobiologiya* 24, 400-7 (1955).—Three strains of streptococci from osteomyelitis patients yielded 18 filterable variants from broth cultures. These were tested for pH, N assimilation, O consumed, and fixation of P³²; the chief differences were related to the fact that 10 of the variants were nonhemolytic although the 3 parent strains were hemolytic. The non-hemolytic forms intensified respiration (values for O consumed were 2-4 times greater than in hemolytic forms), yet were much less active than the hemolytic forms in protein synthesis and P fixation. The high rates of O consumption led to alkalization (pH 4.95-5.5 in hemolytic, 6.3-8.2 in nonhemolytic forms). The deficit or complete absence of protein synthesis did not prevent cell division in the cultures. The loss in synthetic activity, in spite of intensified respiration, signifies slower cell growth, lowered proliferation rate, and a loss in production of specific proteins, e.g. antigens and hemolysins, in the nonhemolytic forms.

Julian F. Smith

SAVEL'VOL'F, G. B.

USSR / Microbiology. Microbes Pathogenic for Man and
Animals. Bacteria. Hemophilus Bacteria. F

Abs Jour : Ref Zhur = Biologiya, No 6, 1959, No: 24068

Author : Rozental, K. M.; Savel'vol'f, G. B.
Inst : Institute of Experimental Medicine, AMN USSR
Title : On Characteristics of Whooping-Cough
Agglutinin. On Immunogenic Properties of
Agglutinin

Orig Pub : Yezhegodnik. In-t eksperim. med. AMN SSSR,
T.2 (M), 1957, 388-392

Abstract : Immunogenic properties of whooping-cough
agglutinin (A) of 1st phase microbes were
evaluated. In the first series of experiments,
mice were immunized subcutaneously with A and
in parallel with boiled whooping-cough vaccine.
The animals were infected by means of

Card 1/3

USSR / Microbiology. Microbes Pathogenic for Man and
Animals. Bacteria. Hemophilus Bacteria.

F

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 24069

thermostat for 10-120 min., and then in the
freezer: cross prevention of necrotic action
was observed. After its exhaustion of anti-
endotoxic serum by "endotoxin" of Teyssye or
"toxin-rinses", the serum was deprived of
neutralizing action in respect to both T.
The authors feel that the "endotoxin" of
Teyssye and "toxin-rinses" of Trushina are
identical in the immunologic respect.

Card 3/3

47

GOTH, Endre, dr.; SAVELY, Cassar, dr.; LENGYEL, Lorant, dr.

Function of pituitary-adrenal system in diabetes. Magy. belorv. arch. 7 no.6:172-178 Dec 54.

1. A Budapesti III. ker. Tanacs Margit korhaza (Igasgato: Orlos Endre dr.) belosztalyanak (Foorvos: Goth Endre dr.) kozlemenye.

(DIABETES MELLITUS, physiology

pituitary-adrenal interrelation in (Hun)

(PITUITARY GLAND, physiology

pituitary-adrenal interrelation in diabetes mellitus (Hun)

(ADRENAL GLANDS, physiology

same)

Sávely, C.

✓ 7499. Role of the pituitary-adrenal system in the pathological physiology of diabetes. A. Göth, L. Lengyel, and C. Sávely. *vitamin-Hormon-u. Fermentforsch.*, 1955, 7, 253-270 (Margit Hosp., Budapest).—Fluctuations of the blood sugar level in either an upward or downward direction activate the pituitary-adrenal system. The secondary hyperfunction of the pituitary and the adrenal cortex in diabetes may account for the complications of diabetes and diseases associated with it. (German)

P. HAAS.

3

med

SAVELY, C.

HUNG.

The role of amino acids in inducing hormone secretion. E. C6th, L. Lenyvel, B. Hencze, C. Savely, and A. Majray (Margit-Hosp., Budapest). *Experientia* 11, 27-9 (1955) (in English).—Eosinophile count in human subjects was decreased following injection of boiled egg or 1-2 g. amino acids. Leucine (I), methionine (II), valine (III), phenylalanine, and tryptophan were found to have an eosinopenic effect in rats. Blood serums from human subjects taken after ingestion of boiled eggs and injected into fasting rats caused a 24% increase in blood sugar; injection into adrenalectomized rats caused eosinopenia. Intravenous injection of 0.04 g. I or III into rats caused a depletion of ascorbic acid content of the adrenal glands. Subcutaneous injection of 0.02 g. I, II, III, tyrosine, or glycine into immature female rats produced a significant increase in the weight of the ovaries and oviduct. D. S. Farner.

GOTH, Endre, dr.,; LENGYEL, Lorant, dr.,; ORLOS, Endre, dr.,; SAVELY, Caesar, dr.

Modern therapy of Cushing's syndrome with special reference to subtotal adrenalectomy. Orv. hetil. 96 no.29:807-810 17 July 55.

1. A III. ker. Tanacs Margit Korhaza Bel-(foorvos: Goth Endre dr., az orvostudományok kandidátusa) es Sebészeti Osztalyanak (foorvos: Orlos Endre dr.) kozlemenye.

(CUSHING SYNDROME, surgery, adrenalectomy, subtotal)

(ADRENAL GLAND, surgery excis., subtotal, in Cushing synd.)

SAVELY, CAESAR, DR.

GOTH, Endre Dr.; LENGYEL, Lorant, Dr.; NADASID, Miklos, Dr.; SAVELY, Caesar, Dr.

Kidney lesions induced by alterations in blood sugar. *Magy. belorv.*
arch. 10 no.2-3:63-68 Apr-June 57.

1. A Budapesti III. ker Tanacs Margit korhaza (ig. foorvos: Goth Endre
dr. kandiddtus) kozlemenye.

(BLOOD SUGAR

exper. alterations inducing kidney lesions in rats,
histopathol. (Hun))

(KIDNEYS, pathol.

histopathol. changes induced by exper. alterations of
blood sugar in rats (Hun))

SAVELY CAESAR,

GOTH, Endre, dr.; LENGYEL, Lorant, dr.; SAVELY, Caesar, dr.

Clinical evaluation of blood corticoid determination. Orv.
hetil. 98 no.10-11:253-255 17 Mar 57.

1. A Budapesti III. ker. Tanacs Margit Korhaza (igazgato
foorvos: Orlos, Endre, dr.) belosztalyanak (foorvos:
Goth, Endre, dr. kandidatus) kozlemenye.

(ADRENAL CORTEX, funct. tests

blood adrenal cortex hormone determ., clin. evaluation
in various dis. (Hun))

SAVELY, C.

GOTH, A.; LENGYEL, L.; SAVELY, C.

Clinical use of the simplified Porter-Silber method for the determination of the 17-OH-corticosteroids in plasma. Acta med. hung. 11 no.2:227-236 1958.

1. Medical Department of Margit Hospital, Budapest
(ADRENAL CORTEX HORMONES, in blood
17-hydroxycorticosteroids, diag. value of determ. by
simplified Porter-Silber method.)

Savely C.
GOTH, Endre, Dr.; BARTHA, Melinda, Dr.; LENGYEL, Lorant, Dr.; SAVELY, Caesar, Dr.

Adrenal insufficiency. Orv. hetil. 99 no.13:433-436 30 Mar 58.

1. A Budapesti III. ker. Tanacs. Margit Korhaza (igazgato: Goth Endre dr. kandidatus) Belosztalyanak kozlemenye.

(ADDISON'S DISEASE, case reports
crises of various etiol. (Hun))

SAVELY, Caesar, dr; BAIASSA, Sandor, dr.; LORINCZ, Laszlo, dr.; WAGNER, Marta, dr.

Clinical and experimental observations on the treatment of obesity with gracidin. Orv. hetil. 101 no.20:699-701 15 My '60.

1. Budapest III. ker. Tanacs Margit korbaza, Belosztaly.
(PHENMETRAZINE ther.)
(OBESITY ther.)

LANG, Edit, dr.; SAVELY, Caesar, dr.; LORINEZ, Laszlo, dr.

Experience with intramuscular chlorocid. Orv. hetil. 103 no.17:791-793
29 Ap '62.

1. III her. Tanacs, Margit Korhaz, Belosztaly.

(CHLORAMPHENICOL ther)

SCHEIBER, Gabor; BANKI, Laszlo; VASARHELYI, Endre; SAVELY, Camillo;
MARK, Gergely, kutato

Possibilities for preparing and using pyrethrin containing
insecticides in Hungary. Magy kem lap 18 no.11:524-531 N '63.

1. Budapesti Vegyimuvek (for Scheiber, Banki, Vasarhelyi and Savely).
2. Kerteszeti Kutato Intezet (for Mark).

TIBORCZ, Istvan; SAVELY, Laszlo; HAGENBURG, Jozsef

Issuance of professional standards. Szabvany kozl 14 no.10:226
0 '62.

1. Koho- es Gepipari Miniszterium Muszaki Osztalyanak vezetője (for TiborcZ). 2. Koho- es Gepipari Miniszterium Vegyipari-gepgyartasi Szabvanyosito Kozpont vezetője (for Savely). 3. Magyar Hajo- es Darugyar Szabvany es Tipizalasi Osztalyanak vezetője (for Hagenburg).

SAVELY, X.

GOTH, E.; LENGYEL, L.; EMENCZE, E.; SAVELY, X.; MAJSAY, A.

The role of amino acids in the release of hormonal secretion.
Acta physiol. hung. Suppl. no.6:101-102 1954.

1. Margit-Spital, Budapest.

(AMINO ACIDS, eff.

on thyrotropin secretion)

(PITUITARY GLAND, ANTERIOR, hormones

thyrotropin, secretion, eff. of amino acids)

SAVEL'YEV, A.

Expansion of foreign trade relations of the U.S.S.R. and the objectives of the merchant marine. Mor. flot 24 no.3:35-39
Mr '64. (MIRA 17:6)

1. Chlen Kollegii Ministerstva morskogo flota.

SAVEL'YEV, A.

How a rectifier works. Radio no.9: Supplement:22-30 S 157.
(MIRA 10:10)

(Electric current rectifiers)

GONCHAROV, Gerasim Ivanovich; MEN'SHIKOV, N.S., dotsent, retsenzent;
SAVEL'YEV, A.A., kand.tekhn.nauk, red.; VASIL'YEVA, V.P., red.
izd-va; KONTOROVICH, A.I., tekhn.red.

[Making and reading drawings in machinery manufacture] Sostavlenie
i chtenie chertezhei v mashinostroenii. Izd.2., perer. i dop.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 150 p.
(MIRA 13:10)

(Mechanical drawing)

(Machinery industry)

SAVEL'YEV, A.A., inzh.; SATAYEV, Yu.P., inzh.

Cold riveting of bridge construction elements made of aluminum alloys. Transp.stroi. 9 no.8:24-28 Ag '59. (MIRA 13:1)

(Rivets and riveting) (Aluminum alloys)
(Bridge construction)

SAVEL'YEV, A. A.

"Hydraulic Investigation of Aerators." Cand Tech Sci, Chair of Processes and Apparatus, Leningrad Order of Labor Red Banner Technological Institute Leningrad Sovet, Min Higher Education USSR, Leningrad, 1955. (ZL, No 11, Mar 55)

So: Sum. No 670, 29 Sept 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

S/137/62/000/002/124/144
A052/A101

AUTHOR: Savel'yev, A. A.

TITLE: Homemade Al-alloys and the characteristics of structural joints based on them

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 41, abstract 2E232
(Sb. tr. Leningr. in-t inzh. zh.-d. transp.", no. 6, 1961, 4-10)

TEXT: The principal properties of Al-alloys, the characteristics of joints of bridge and building structures of Al-alloys, the alloy grades and the selection of joint types are considered. It is pointed out that a large group of homemade alloys (duralumin of a medium and increased strength, B 95-T1 (V95-T1) alloy, AB (AV) avial) are thermally strengthened alloys. In a hardened state these alloys lose some of the strength properties in the process of welding, therefore structures of them should be made by riveting. The thermally non-strengthened alloys (AMg-6 Al-Mg-alloys) have high strength characteristics, therefore structures of these alloys should be made mostly by welding. Since the thermally strengthened alloys have the highest strength characteristics,



Card 1/2

SAVEL'YEV, A.A. (Volgograd)

Sacrolumbar radiculitis according to data of the neurological
department of a hospital. Zdrav. Ros. Feder. 8 no.2:10-12 F'63
(MIRA 17:3)

SAVEL'YEV, A.A.

Auricular interpolated extrasystoles. *Kardiologiya* 3 no.6:76-78
N-D '63. (MIRA 17:6)

1. Iz Novokuznetskogo instituta usovershenstvovaniya vrachey.

SAVEL'YEV, A.A.

Materials on the study of Tertiary sediments on the left bank of
the Northern Donets River. Biul. MOIP. Otd. geol. 24 no.5:52-58
'49. (MIRA 11:5)
(Northern Donets Valley--Geology. Stratigraphic)

SAVEL'YEV, A. A.

"New Data on the Tectonics of the Northern Part of the Mangyshlak Mountain System,"
Dok. AN, 68, No. 3, 1949. Mbr., All-Union Petroleum Sci. Res. Geological & Prospecting
Inst., -c1949-.

SAVEL'YEV, Anatoliy Antonovich; KOROBY , I.A., red.; RUSAKOVA, L.Ya.,
vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

[Lower Cretaceous Trigonidae of Mangyshlak and western Turkmenia
(with a systematic and phylogenetic survey of the family)]
Nizhnemelovye trigoniidy Mangyshlaka i Zapadnoi Turkmenii (s
oчерkom isistematiki i filogenii semeistva). Leningrad. Gos.
nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry Leningrad-
skoe otd-nie. 1958. 515 p. (Leningrad. Vsesoiuznyi neftianoi
nauchno-issledovatel'skii geologo-razvedochnyi institut. Trudy,
no.125) (MIRA 12:2)

(Mangyshlak Peninsula--Lamellibranchiata, Fossil)
(Turkmenistan--Lamellibranchiata, Fossil)

20-119-1-44/52

AUTHOR: Savel'yev, A. A.

TITLE: Longinuculana krutschinini Savel. gen. et sp. nov. From the Upper Aptian Deposits of Mangyshlak (Longinuculana krutschinini Savel. gen. et sp. nov. iz verkhneaptskikh otlozheniy Mangyshlaka)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 1, pp. 161-163 (USSR)

ABSTRACT: The nuculidae furnished from the above-mentioned layers by K. V. Kruchinin (collected in 1955) represent a new genus and species. Further already known species can be classified with this new genus. Class Pelecypoda - order PALAEOTAXODONTA - family NUCULIDAE Gray - genus Longinuculana Savel'yev gen. nov. -
Generotype: L. krutschinini Savel'yev sp. nov.
Diagnosis: club-shaped shell: from the principal part of the shell which on the whole is oval a more or less long siphonal funnel arises. Further characteristics are described.

Card 1/4

Distribution: Lower Cretaceous of Angliya (=England),

Longinuculana krutschinini Savel. gen. et sp. nov.
From the Upper Aptian Deposits of Mangyshlak

20-119-1-44/52

Frantsiya (=France), Shweytsariya (=Switzerland), Kavkaz (Caucasus), Emba and Mangyshlak (4 species are known).

Remarks: It is known that the pelecypods digging themselves in adapt themselves to their mode of life in 3 directions: 1) either the siphons are enlarged and consequently the size of the sinus increases (for example Veneridae, Mac-tridae), 2) the non-retractible siphons are lengthened and covered with a crust fo lime (Mya, Panopaea), 3) the shell itself is lengthened (Solen, some nuculidae, among them the above-described genus). All these changes of shape of the body and the shell represent important systematic features. The separation of the new genus which differs from other nuculidae by a highly lengthened posterior shell-part, which is equipped with a long siphonal funnel that is sharply separated from the main part of the shell is therefore fully justified. Such an original shell somewhat recalls the representatives of Cuspidaria from the subgenus Cardiomya (which, it is true, belong to quite another order). Beside the genero-type the following are to be classified with the new genus: "Nuculana" species: solea (Orb.), spathulata

Card 2/4

Longinuculana krutschinini Savel, gen. et sp. nov.
From the Upper Aptian Deposits of Mangyshlak

20-119-1-44/52

(Forbes) and lingulata (Orb.). The genus is a specific group of the Lower Cretaceous. The main feature: the lengthening of the posterior part of the shell with a siphonal funnel is most distinct in the generotype. The genus represents a small branch which separated from the genus Nuculana Link. in the Neocomian stage and which existed during the entire Lower Cretaceous (perhaps some representatives even lived until the Senoman stage). This branch never had many representatives, although some species are not rare and widely distributed. With regard to phylogeny is to be noticed that the Neocomian species Longinuculana spathulata possibly gave the origin to the species L. lingulata (Orb.) from the Aptian, Longinuculana krutschinini Savel'yev sp. nov. (figure 1). A description is given. 2 individuals from the core of bore-hole 137 of dark-gray firm thin-layered clay are known. Place of finding: 5,5 km west of the mountain Karasyaz'-choku (district of the Mangyshlak-anticline), depth 156-162 m. The holotype is in the Museum of the All-

Card 3/4

SAVEL'YEV, A.A.

Lower Proterozoic flysch sediments in the western part of the
Eastern Sayan Mountain region. Trudy Lab. geol. dokem. no.11:
5-26 '60. (MIRA 14:1)

(Sayan Mountain region--Flysch)

SAVEL'YEV, A.A.

Intraspecific divisions and some problems with regard to the
formation of species. Trudy VNIGRI no.154:11-37 '60.
(MIRA 13:9)

(Paleontology) (Zoology--Classification)
(Origin of species)

SAVEL'YEV, A. A.

Some upper Jurassic trigonids from the eastern slope of the sub-
Arctic Urals. Trudy VNIIGRI no.154:196-206 '60.

(MIRA 13:9)

(Yatriya Valley—Lamellibranchiata, Fossil)

SAVEL'YEV, A.A.

Method for studying rhythms of stratification of shallow layers
in Proterozoic flysch deposits in the western part of the
Eastern Sayan Mountains. Vest.LGU 15 no.12:56-65 '60.
(MIRA 13:6)

(Sayan Mountains--Flysch)

SAVEL'YEV, A. A.

Cand Geol-Min Sci, Diss -- "The Proterozoic and Cambrian periods of the central portion of Eastern Sayan". Leningrad, 1961. 19 pp, 20 cm. (Leningrad Order of Lenin State U imeni A. A. Zhdanov), 180 copies, Not for sale (KL, No 9, 1961, p 178, No 24294). [61-54088]

SAVEL'YEV, A.A.

Age of folding, igneous intrusions, and metamorphism of the
Proterozoic in the central part of the Sayans. Trudy Lab.geol.
dokem. no.12:291-298 '61. (MIRA 14:11)
(Sayan Mountsins--Geological time)

SAVEL'YEV, A.A.

Find of *Myophoria lingonensis* (Dum.) in Middle Lias sediments in
Eastern Siberia. Trudy VNIGRI no.196. Paleont.sbor. no.3:171-181
'62. (MIRA 16:4)

(Siberia, Eastern—Mollusks, Fossil)

SAVEL'YEV, A.A.

Some Lower Cretaceous Cucullaea in the Mangyshlak Peninsula.
Trudy VNIGRI no.196. Paleont.sbor. no.3:183-217 '62.

(MIRA 16:4)

(Mangyshlak Peninsula—Arcadae, Fossil)

SAVEL'YEV, A.A.

Albian Inoceramidae in the Mangyshlak Peninsula. Trudy VNIGRI
no.196. Paleont.sbor. no.3:219-275 '62. (MIRA 16:4)
(Mangyshlak Peninsula--Inoceramus)

SAVEL'YEV, Anatoliy Antonovich; DAYEV, G.A., vedushchiy red.;
GENNIAD'YEVA, I.M., tekhn.red.

[Jurassic Trigoniidae in western Turkmenia and the Mangyshlak
Peninsula] Iurskie trigoniidy Mangyshlaka i Zapadnoi Turkmenii.
Leningrad, Gostoptekhizdat, 1960. 112 p. (Leningrad. Vsesoluznyi
neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut.
Trudy, no.148). (MIRA 16:8)

(Mangyshlak Peninsula--Trigoniidae, Fossil)
(Turkmenistan--Trigoniidae, Fossil)

DZEVANSKIY, Yu.K.; DODIN, A.L.; KONIKOV, A.Z.; KRASNYY, L.I.;
 MAN'KOVSKIY, V.K.; MOSHKIN, V.N.; LYATSKIY, V.B.;
 NIKOL'SKAYA, I.P.; SALOP, L.I.; SALUN, S.A.; RABKIN,
 M.I.; RAVICH, M.G.; POSPELOV, A.G.; NIKOLAYEV, A.A.;
 IL'IN, A.V.; BUZIKOV, I.P.; MASLENNIKOV, V.A.; NEYELOV,
 A.N.; NIKITINA, L.P.; NIKOLAYEV, V.A. [deceased]; OBRUCHEV,
 S.V.; SAVEL'YEV, A.A.; SEDOVA, I.S.; SUDOVNIKOV, N.G.;
 KHIL'TOVA, V.Ya.; NAGIBINA, M.S.; SHEYNMANN, Yu.M.;
 KUZNETSOV, V.A.; KUZNETSOV, YU.A.; BORUKAYEV, R.A.;
 LYAPICHEV, G.F.; NALIVKIN, D.V., glav. red.; VERESHCHAGIN,
 V.N., zam. glav. red.; MENNER, V.V., zam. glav. red.;
 OVECHKIN, N.K., zam. glav. red. [deceased]; SOKOLOV, B.S.,
 red.; SHANTSER, Ye.V., red.; MODZALEVSKAYA, Ye.A., red.;
 CHUGAYEVA, M.N., red.; GROSSGEYM, V.A., red.; KELLER, B.M.,
 red.; KIPARISOVA, L.D., red.; KOROBEKOV, M.A., red.;
 KRASNOV, I.I., red.; KRYMGOL'TS, T.Ya., red.; LIBROVICH,
 L.S., red.; LIKHAREV, B.K., red.; LUPPOV, N.P., red.;
 NIKIFOROVA, O.I., red.; POLKANOV, A.A., red. [deceased];
 RENGARTEN, V.P., red.; STEPANOV, D.L., red.;
 CHERNYSHEVA, N.Ye.; red.; SHATSKIY, N.S., red. [deceased];
 EBERZIN, A.G., red.; SMIRNOVA, Z.A., red. izd-va; GUROVA,
 O.A., tekhn. red.

[Stratigraphy of the U.S.S.R. in fourteen volumes. Lower
 Pre-Cambrian] Stratigrafiia SSSR v chetyrnadtsati tomakh.
 Nizhniy pokembrii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geologii i
 okhrane nedr. Pt. 1 (Asiatic part of the USSR) 1963. 396p.

SAVEL'YEV, A.A.

Stratigraphy of Jurassic sediments based on the fauna of the
Mangyshlak Peninsula. Trudy VNIGRI no.218:209-235 '63.
(MIRA 17:3)

SAVEL'YEV, A.A.; VASILENKO, V.P.

Stratigraphy of Lower Cretaceous sediments based on the fauna
of the Mangyshlak Peninsula. Trudy VNIGRI no.218:248-300 '63.
(MIRA 17:3)

SAVEL'YEV, A., inzhener.

Automatic ARP-50 marine radio direction finder. Mor.flot 17 no.2:21-
22 F '57. (MLRA 10:3)

1. Upravleniye svyazi i elektroradionavigatsii Ministerstva morskogo
flota.

(Radio direction finders)

KREMLYANSKIY, A.N.; SAVEL'YEV, A.A., red.; DIZHUR, I.M., red.;
TIKHONOVA, Ye.A., tekhn.red.

[Shiphandler's handbook] Pamiatnaya knizhka sudovoditelia.
Pod red. A.A.Savel'eva. Izd.3., rasshirennoe i dop. Moskva,
Izd-vo "Morskoi transport," 1958. 421 p. (MIRA 12:9)
(Ship handling--Handbooks, manuals, etc.)

VYSHNEPOL'SKIY, Semen Abramovich; SAVEL'YEV, A.A., red.; SERKO, G.S.,
red.; BEGICHEVA, M.N., tekhn.red.

[Global sea lanes and navigation; sketches] Mirovye morskije
puti i sudokhodstvo; ocherki. Pod red. A.A.Savel'eva. Izd.2.
Moskva, Izd-vo "Morskoi transport," 1959. 499 p. (MIRA 12:9)
(Navigation)

SAVEL'YEV, A. A

British Lloyd's Register. Mor. flot 21 no.8,42-43 Ag '61.
(MIRA 14:9)

1. Nachal'nik Otdela vneshnikh snosheniy, chlen Kollegii
Ministerstva morskogo flota.
(Great Britain--Ship registers)

SAVEL'YEV, A. A.

SAVEL'YEV, A. A. - "Functional Condition fo the Heart in the Middle-Aged." Sub 9 Dec 52, Central Inst for the Advanced Training of Physicians (Dissertation for the Degree of Doctor in Medical Sciences).

SO: Vechernaya Moskva January-December 1952

SAVEL'YEV, Aleksandr Anan'yevich

[Types of electrocardiograms and their evaluation; methodological instructions for physicians] Tipy elektrokardiogramm i ikh otsenka; metodicheskie ukazaniia dlia vrachei. Stalinsk, Kemerovskoi oblasti, 1957. 18 p. (MIRA 13:5)
(ELECTROCARDIOGRAPHY)

SAVEL'YEV, A.A., professor (Stalinsk)

Infarction of the right atrium with rupture of its walls. Vrach.
delo.no.4:407 Ap '57. (MIRA 10:7)

1. Institut usovershenstvovaniya vrachey.
(HEART--INFRACTION)

SAVEL'YEV, A.A., prof. (Stalinsk, Kemerovskoy oblasti, ul. Ushinskogo, d.8-a, kv.4); ZAV'YALOV, V.V., kand. med. nauk

Roentgenkymographic data in the evaluation of the heart in surgery for mitral stenosis. Vest. khir. 82 no.5:69-74 My '59. (MIRA 12:7)

1. Iz kafedry funktsional'noy diagnostiki i fizioterapii (zav. - prov. A.A. Savel'yev) Stalinskogo meditsinskogo instituta i otdeleniya grudnoy khirurgii Stalinskoy gorodskoy bol'nitsy No.3 (gl. vrach - L.S. Kryukova).

(X RAYS--THERAPEUTIC USE) (MITRAL VALVE--DISEASES)

SAVEL'YEV, A.A., prof.; MOTOVILOVA, L.P.

Effect of vitamins B₁₂ on the functional state of the cardiovascular system in patients with atherosclerosis; based on clinical and instrumental data. Kardiologiya 4 no.6:48-51 N-D '64. (MIRA 18:8)

1. Kafedra terapii No.1 (zav. - prof. G.M. Shershevskiy) i kafedra funktsional'noy diagnostiki (zav. - prof. A.A. Savel'yev) Novokuznetskogo gosudarstvennogo instituta isovershenstvovaniya vrachey.

KODOLOV, I.V.; SAVEL'YEV, A.F.

Methods of selecting molds for vulcanizing presses. Kauch. i
rez. 20 no.8:35-39 Ag '61. (MIRA 14:8)

1. Ural'skiy politekhnicheskiy institut imeni S.M. KIROVA i
Sverdlovskiy zavod rezinovykh tekhnicheskikh izdeliy.
(Vulcanization)
(Rubber industry—Equipment and supplies)

TYAZHELOV, Vadim Innokent'yevich; SAVEL'YEV, A.G., retsenzent; NAUMOV, M.K., retsenzent; LI, N.V., retsenzent; MASHUKOV, I.F., retsenzent; MYAKON'KIY, A.I., gornyy inzh., retsenzent; KUDRYASHOV, V.A., dotsent, retsenzent; PRIFRENKO, N.P., red.; SOROKIN, T.I. tekhn.red.

[Working a deposit by open-pit mining in the wintertime] Razrabotka mestorozhdenii otkrytym sposobom v zimniy period. Irkutsk, Irkutskoe knizhnoe izd-vo, 1958. 127 p.

(MIRA 14:5)

1. Gornorudnyy kombinat Irkutskogo sovnarkhoza (for Savel'yev, Naumov, Li, Mashukov, Myakon'kikh, Kudryashov)
(Strip mining--Cold weather conditions)

SAVEL'YEV, A.G.

Approximate expression for an elliptic integral of the second order. Trudy LKI no.26:159-163 '59. (MIRA 14:9)

1. Kafedra sudovykh ustroystv Leningradskogo korablestroitel'nogo instituta.

(Functions, Elliptic)

PETROV, V.N.; SAVEL'YEV, A.G.; SILUKOV, G.D.

Pulse transmitter of the number of revolutions of a turbo-
compressor, Izv. tekhn. no. 3:14-15 Mr '61. (MIRA 14:2)
(Turboblowers--Testing)

SAVEL'YEV, A.G., dotsent; IVANOVA, Ye.G., inzh.

Effect of the composition of incrustations and their thermal properties on the economic indices of boiler operations. Sud. sil. ust. no.2:169-181 '63. (MIRA 17:1)

1. Leningradskoye vyssheye inzhenernoye morskoye uchilishche im. admiral-a Makarova.

SAVEL'EV, A. G.

"Manual for the Mechanic of a Sea-going Ship", published by State Publishers of
Sea Transport Literature, Moscow, 1949.

SAVEL'YEV, A. G.

Uchebnoye posobiye dlya sudogo mashinista (Textbook for the ship's machinist) Lenin-grad, Vodtransizdat, 1954. 667 p. diagrs., tables. "Literatura": p. 656

N/5
743.42
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SAVEL'YEV, A. G.

SAVEL'YEV, A. G. -- "Investigation of the Operation of Single-Expansion Ship Auxiliary Steam Engines, and the Determination of the Most Satisfactory Intake System." Min Marine Fleet USSR. Leningrad Higher Engineering Maritime School imeni Admiral S. O. Makarov. Leningrad 1955. (Dissertation for the Degree of Candidate of Technical Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

30

CA
SAVEL'YEV, A-I.

Thermopolymerisation of butadiene in the presence of copper salts of high-molecular organic acids, soluble in butadiene. A. I. Savel'ev, O. G. Arshlan and A. V. Zlatogorskii. *Soviet. Khimichesk. No. 4, 18-23.* Butadiene was placed in an ampoule with 0.01-3.10% of Cu naphthenate or oleate (0.001-0.41% of Cu), the ampoule was sealed and heated at 80-110° for 10-30 days. The addn. of Cu salts prevented the formation of a thermopolymer of butadiene. After heating for 29 days at 80° in the presence of 3.20% of Cu naphthenate (0.407% Cu) no polymer was formed, but 43.85% of dimer. Metallic Cu acted in the same way as its salts, but less effectively. An increase of concn. of Cu or its salts increased the effectiveness of prevention of the formation of the thermopolymer. The formation of the dimer proceeded independently of the concn., or even of the presence of Cu or Cu salts.

A. Pestoff

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

SAVEL'YEV, A.I.

Yarnish. I. V. Rokityanski and A. I. Savel'se. Russ. *274*, Dec. 31, 1939. A soln. of divinyl is polymerized at 50-70° in the presence of alkali metals, a sicative is added, and the mixt. is dild. with a solvent to the required consistency.

ASB S.S.A. REFERENCE LITERATURE CLASSIFICATION

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|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

SAVEL'YEV, A.I.

ANDAKUSHKIN, V.Ya.; SAVEL'YEV, A.I.; GORNEVA, Ye.F.

Improving the method of obtaining bivinyl copolymers with acrylonitrile.
Kauch. i rez. 16 no.8:5-9 Ag '57. (MIRA 10:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo
kauchuka im. akad. S.V. Lebedeva.
(Polymerization) (Butadiene) (Acrylonitrile)

TIMOFEYEV, N.N.; ANOKHINA, A.D.; KUROCHKIN, P.G.; SAVEL'YEV, A.I.

Unfired, reinforced magnesite-chromite products for the roof of
open-hearth furnaces. Ogneupory 29 no.2:79-82 '64. (MIRA 17:1)

1. Vsesoyuznyy institut ogneuporov (for Timofeyev, Anokhina). 2. Belo-
retskiy metallurgicheskiy kombinat (for Kurochkin, Savel'yev).

SAVEL'YEV, A.I., Cand Tech Sci---(diss) " Indicators of wear-re-
sistance of fur." Mos, 1958. 13 pp (Min of Higher Education USSR.
Mos Technological Inst of light Industry), 130 copies (KL,25-58,114)

-115-

SAVNL'YEV, A.I., inzh.; SHESTAKOVA, I.S., doktor tekhn. nauk, prof.;
CHERNOV, N.V., doktor tekhn. nauk, prof.

Wearing out of hairs of furs. Leg. prom. 18 no.3:43-46 Mr '58.
(Fur) (MIRA 11:4)

YELISHYEVA, V.I., kand. tekhn. nauk; SAVEL'YEV, A.I., inzh.

Evaluating mechanical properties of materials used for shoe
uppers. Leg. prom. 18 no. 11:27-28 N '58. (MIRA 11:12)
(Shoe manufacture)

SAVEL'YEV, A. I., Candidate Tech Sci (diss) -- "Indexes of the wear-resistance of the hairy covering of fur". Moscow, 1959. 13 pp (Min Higher Educ USSR, Moscow Tech Inst of Light Industry), 130 copies (KL, No 24, 1959, 140)

SAVEL'YEV, A.I., inzh.; YELISEYEVA, V.I., kand. tekhn. nauk; ALEKSEYEV, I.M.,
kand. tekhn. nauk; PICHUGIN, S.M., inzh.

Dry casein concentrates for finishing of chrome upper leathers.
Kozh.-obuv. prom. no.8:21-22 Ag '59. (MIRA 13:1)
(Leather)

SAVEL'YEV, A.I., kand.tekhn.nauk; YELISEYEVA, V.I., doktor tekhn.nauk;
PANISOVA, A.S., inzh.; LINIVAREVA, Z.S., inzh.

New pigments for leather dyes for shoe uppers. Kozh.-obiv.prom.
2 no.1:22 Ja '60. (MIRA 13:5)

(Pigments) (Dyes and dyeing--Leather)

SAVEL'YEV, A.I.; MOISEYEVA, Z.S.; STEBLIN, V. Ye.

Comparative study of the various methods for the dispersion
of dye solutions. Nauch.-issl. trudy TSNIKP no.33:36-40 '63
(MIRA 18:1)

ZURABYAN, K.M., kand.tekhn.nauk; METETSKENE, N.I., inzh.; SAVEL'YEV, A.I.,
kand.tekhn.nauk; SUCHKOV, V.G., kand.tekhn.nauk

Testing of the mechanical properties of leather under dynamic con-
ditions. Kozh.-obuv.prom. 6 no.10:15-20 0 '64.

(MIRA 18:1)

APEL'TSIN, F.R.; SAVEL'YEV, A.K.

Geological characteristics of the Ergelyakh rare-metal and gold deposit. Sov. geol. 3 no. 9:57-72 S '60. (MIRA 13:11)

1. Vsesoyuznyy institut mineral'nogo syr'ya.
(Tarynov Valley--Gold ores)

ZHREB, I N.; KAVEL'YEV, A.K.; ZISHAROV, Ye.Ye., etv. red.

Geology and prospecting for placer deposits, 1962] Geo-
logia, poiski i razvedka rossyynykh mestorozhdenii, 1962.
125 p. (MIRA 17:7)

S/126/62/013/005/010/031
E091/E435

Study of the influence ...

by a method described by V.M.Finkel' and I.O.Kutkin (FMM, v.12, no.5, 1961). The specimen was placed with the notch uppermost on a knife-edge and fractured by a falling \square -shaped hammer. The movement of the crack along the base of the notch was filmed at up to 4800 frames/sec. The moment of impact was registered by the flash of a flash bulb. To estimate the deformation along the specimen due to bending, graduation lines were marked on or thin strips of paper glued to the specimen. In order to increase the photogeneity of the crack, the notch surface was dusted with soot. The filming was carried out via a mirror placed at an angle above the specimen. The surfaces of the fractures were investigated by X-ray diffraction at points corresponding to various rates of crack propagation, using a variation of a previously described method by V.M.Finkel' and V.N.Berezovskiy. It was found that plastic deformation in the fracture surface decreases with increasing speed of crack propagation. The kinetics of failure can be affected by plastic deformation preceding or accompanying crack-propagation or plastic deformation of the opened up crack surfaces. Preceding

Cañá 2/3

L 13340-63

EWP(r)/EWP(q)/EWT(m)/BDS AFFTC/ASD EM/JD

ACCESSION NR: AP3002900

8/0148/63/000/006/0130/0137

AUTHOR: Finkel', V. M.; Krotcnok, P. I.; Savel'yev, A. M.

TITLE: X-ray and fractographic studies of steel fracture

SOURCE: IVUZ. Chernaya metallurgiya, no. 6, 1963, 130-137

TOPIC TAGS: steel fracture, interference fractography, X-rays, microbeam, transformer steel, impact toughness, interference pattern, interference microscope

ABSTRACT: Authors studied the steel fracture under various test temperatures by interference fractography and X-rays in a flat, widely-converged microbeam. Transformer steel (4% Si) was used for the test. The steel was annealed at 1300C for 12 hours. This increased the grain size from 0.5 to 1 mm. The samples were fractured on an impact tester in a temperature interval from +20 to -120C. This showed that, with a reduction in temperature, the impact toughness decreased from 1 kgm/square cm at 0° to 0.1 - 0.2 kgm/square cm at -180C. Interference patterns of the samples which were fractured at various temperatures differed from each other. X-ray pictures show a reduction in plastic deformation with a drop in temperature. The surface of the fracture was studied by an MII-1 interference microscope. At elevated test temperatures, the surface of the spallation fragment is

Card 1/2

59
57

L 13340-63

ACCESSION NR: AP3002900

relatively smooth with shallow jogs and irregularities. The interference pattern reflects a small steric curvature of cylindrical type with the axis corresponding to the direction of the crack propagation. X-ray pictures of the cracks are included in the article. Orig. art. has: 5 figures. 2
18

ASSOCIATION: Sibirskiy metallurgicheskij institut (Siberian Metallurgical Institute)

SUBMITTED: 21Aug62

DATE ACQ: 24Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 015

OTHER: 005

Card 2/2

FINKEL', V.M.; SAVEL'YEV, A.M.; KUTKIN, I.A.; KUROCHKIN, A.F.

Investigating the characteristics of failure in transformer
steel. Fiz. met. i metalloved. 15 no.5:781-784 My '63.

(MIRA 16:8)

1. Sibirskiy metallurgicheskiy institut im. Ordzhonikidze,
Novokuznetsk.

(Steel--Metallography)
(Dislocations in metals)

L 1307-66 EWT(1)/EWT(m)/EWP(w)/EPP(c)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/JW/GG
ACCESSION NR: AP5012550 UR/0181/65/007/005/1402/1412

AUTHOR: Finkel', V. M.; Savel'yev, A. M.; Zuyev, L. B.; Serebryakov, S. V.;
Korobov, Yu. M.; Zuyeva, I. B.

TITLE: Interaction of a crack with dislocation boundaries
SOURCE: Fizika tverdogo tela, v. 7, no. 5, 1965, 1402-1412

TOPIC TAGS: crack propagation, crystal lattice energy, lithium fluoride, crystal
imperfection

ABSTRACT: This research was motivated by the lack of published data on the kinetics of interaction between a fast crack and boundaries or subboundaries having different energy levels, or data on the influence of the speed of the crack on the process of overcoming such barriers. There is likewise no information on the time necessary for the crack to break through a subboundary. The authors therefore investigated by polarization-optical and cinematographic methods the breakthrough of slow and fast cracks through screw and inclined subboundaries with different orientations. The investigations were carried out on rock-salt and lithium-fluoride crystals. Samples measuring 0.3 x 0.6 x 2 cm with initial crack 5--7 mm long were tested with and without annealing. The time intervals necessary for the crack to overcome the boundary and the energy involved in this process were determined experimentally and

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L 1307-66

ACCESSION NR: AP5012550

3
calculated theoretically. The motion of a crack was measured both in air and in an etching solution. Fast crack motion was recorded by two means, photoelectrically and by high speed photography. The methods are briefly described. Crack propagation is stopped by the subboundary for a time ranging from 65×10^{-3} sec to as much as 500×10^{-3} sec, depending on the angle and other factors. In the case of screw boundaries the stopping time did not exceed 16×10^{-8} sec. The relation between the time necessary to break through a subboundary and the energy involved is illustrated in Fig. 1 of the Enclosure, where the continuous curve is the result of theoretical calculations and the horizontal lines are experimental values. The results confirmed the theoretical deduction that much more effort is necessary to push a crack in the etching solution than in air. Orig. art. has: 9 figures and 7 formulas.

ASSOCIATION: Sibirskiy metallurgicheskiy institut im. Sergo Orzhonikidze, Novokuznetsk (Siberian Metallurgical Institute)

SUBMITTED: 01Dec64

ENCL: 01

SUB CODE: SS

NR REF SOV: 004

OTHER: 007

Card 2/3

L 1307-66

ACCESSION NR: AP5012550

ENCLOSURE: 01

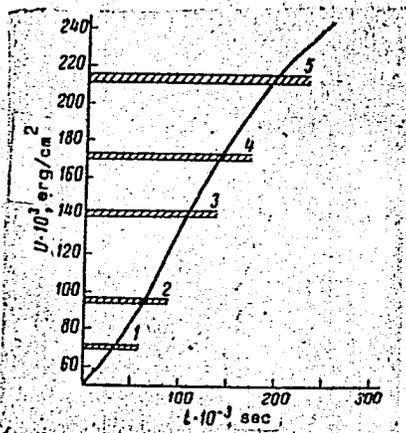


Fig. 1. Graphic interpretation of time necessary for a crack to break through a sub-boundary.

1 - 5 -- Total energy of torsion boundaries with disorientation angles 2°, 3°, 5°, 6°30', and 9°.

Dependence of the elastic energy of cleaved halves of a crystal, represented in the form of a curve crossing the horizontal levels.

Card 3/3

SOV/111-58-4-23/34

AUTHOR: Savel'yev, A.N., Chief Mechanic of the Gor'kiy SMUR; Fayngersh,
N.S., Chief Engineer of the Gor'kiy DRTS

TITLE: A Manual Carriage for Settling Poles (Ruchnaya telezhka-
stolbostav)

PERIODICAL: Vestnik svyazi, 1958, Nr 4, pp 29-30 (USSR)

ABSTRACT: The use of the auger described in Vestnik svyazi, 1956, Nr 11,
complicates the setting of telephone poles, especially those
of great dimensions. A.N. Savel'yev designed a manual car-
riage for setting telephone poles having a total weight of
270 kg, equipped with a winch "LS-2". The construction of
this pole setting carriage is described in detail and ex-
plained by one sketch. There is 1 diagram.

ASSOCIATION: Gor'kovskoye SMUP (Gor'kiy SMUR) Gor'kovskaya DRTS (Gor'kiy DRTS)
1. Communications systems--Equipment 2. Construction equipment

Card 1/1

L 13292-66

ACC NR: AP6000325

method in which the catalyst contains from 5 to 80 % aluminum oxide, from 95 to 10 % magnesium oxide, from 0 to 50 % silicon oxide and from 0 to 5 % of a salt or oxide of an alkali metal.

SUB CODE: 07/ SUBM DATE: 11Apr63/ ORIG REF: 000/ OTH REF: 000

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Card 2/2

SAVEL'YEV, A.P., glavnyy inzhener.

The factory fulfills its obligations. Leg.prom. 7 no.10:10-11 0 '47.
(MIRA 6:11)

1. Moskovskaya chulochnaya fabrika.

(Hosiery industry)

SAVEL'YEV, A.P.

Decorative finish for wooden toys. Det. khor. igr. no.1:
51-52 '55. (MLRA 10:2)

1. Zaveduyushchiy laboratoriyey Nauchno-issledovatel'skogo
instituta igrushki.

(Toys)